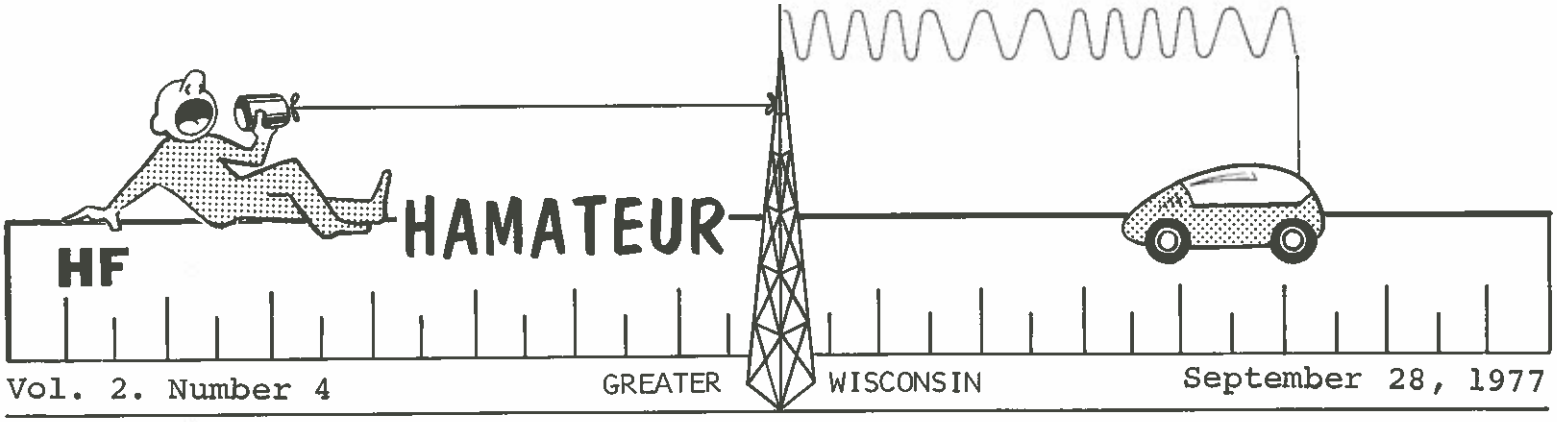

Vol. 2. Number 4 GREATER WISCONSIN September 28, 1977

the HAMATEUR

This newsletter is published monthly for the amateurs represented by the Radio Clubs listed. Reproduction, with credit given , is granted for anything appearing within the HAMATEUR. Deadline date to submit material for the month is the 5th. Publication date is the 28th.

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93/33....WB9BSO...Bruce Herrick....964-6536
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6-MIC....WB9OPD...Bob Pettigrew....447-1307
MRAC.....W9MDG....Al Belanger.....461-8272
Ozaukee.....WA9BMA...Ed Bach.....284-2664/Metro 242-3420
Racine.....W9HI.....Stu Stewart.....539-2680
22/82.....WB9PKY...Jim Wiskow.....Whitewater
Tri-County..K9LJM....Horace Hilker...Milton
19/79.....WB9WFA...Scott.....291-0409

WA9 Just Mouthing Off

Each year the Amateur Radio News Service (the ARNS Bulletin is a world wide publication providing amateur news to interested individuals, many of whom are editors like myself) holds a publication contest. Editors have the option of submitting any three of their previous year's issues for judging according to their paper's classification. Ours fell into the multi-club original material classification. Our entries were the October, November and December, 1976, copies. I am quite pleased to announce that we finished third to the AMSAT Newsletter, Washington, D.C., and Cora Collector and Emitter, Central Oklahoma.

The precis of the judges' rational in awarding each publication the ranking it attained should be available for next month's paper. Additionally, we will be furnished with the composite numeric score awarded our entry, an outline of the weight assigned each element assessed, and the highest and lowest scores pertinent to our class of entry.

The staff of the HAMATEUR are quite proud of being selected for this honor. We hope with your help, both in support and contributing material, to improve our standing next year.

I have been a member of ARNS since the concept of our own paper and have found their monthly Bulletin to be most informative. For any who might be interested in receiving their fine newsletter, send four dollars for the first year (three dollars for renewals) to Doris Dennstaedt, WA3HEN, 303 N. Hammonds Ferry Road, Secretary ARNS, Linthicum Heights, MD 21090. Mention the HAMATEUR when doing so.

We in the greater Milwaukee area are blessed with a phenomenon not readily available in most other parts of our great nation. I am speaking of a dues-free open access Autopatch-only repeater—147.60 MHz in and 147.00 MHz out. The Ø on your pad accesses the phone line and the (*) drops the line. The Milwaukee Autopatch Repeater Association (MARA) believes in the following: (1) Amateur radio is essentially an experimental mode for the betterment of the individual operator and the welfare of the community. (2) They believe that FREE access is in the "spirit" of Amateur Radio as a non-profit venture, and (3) that they do accept donations to help keep the machine on-the-air. They are grateful for any assistance extended to the machine. As long as enough hams support the machine, it will be on the air! Fur further information and donations, contact the MARA Chairman—E. Gruel, WB9OJD, 2181 S. 85th St., West Allis, WI 53227.

I heartily agree and concur with these beliefs and urge all of our autopatch users to lend any financial support they can to this small group of Amateurs. Also, I would like to stand at the front of the line in taking my hat off to them for a job well done.

Congratulations to the CWRA group in Madison, Wis., upon making a first—(as far as I know) activating their 34/94 machine within 60 seconds of receiving a unanimous "yes" vote from all members attending the W.A.R. meeting in Madison, September 10.

73's Larry McCalvy, WA9JMO

146-07 IN

MILWAUKEE COUNTY AMATEUR RADIO EMERGENCY SERVICE

146-67 OUT

MEETING: Tuesday, October 4, 1977, 7:30 P.M. at Red Cross Building, 26th & Wisconsin Ave.

As everyone now knows, I took over as EC from Bob, WB9NNJ, on September 6. Bob did a splendid job of organizing the Milwaukee County ARES and with your help I will endeavor to maintain it and even expand it. The crucial need, however, is for competent, dedicated manpower (personpower?). I cannot carry it alone for very long. I shall need assistance of every sort from as many of you as can afford to part with some time and energy. Please don't wait to be asked. There are too many hams in the Milwaukee area for me to remember all of them much less remember their special skills or talents. And the data on the ARES application form leaves something to be desired also. So don't be shy...volunteer.

I hope during my tenure as EC to be able to consolidate, systematize, and routinize the ARES program. By this I mean that I want to take the very valuable programs and procedures which Bob has developed and implemented and add to them..."flesh them out", if you will...so that everything we do will have a basic routine to it with which everyone is familiar. The agencies we serve deal with "emergencies" on a "routine" basis. They try to avoid last minute hasty decision-making by planning ahead for every conceivable contingency. We should aspire to achieve the same level of professionalism. Example: We have now an effective net procedure for activating during summer severe weather and for reporting severe weather to the National Weather Service. But we are the proverbial chicken with its head cut off when we try to find personnel to man the various positions. I want to set up a procedure so that we will know with some certainty who will man a given position during the next net. Obviously, it should rotate so that no one is called on more than necessary, and it should also be flexible enough to allow for unforeseen snags. Any ideas?

I am open to ideas and suggestions as to every aspect of what we can and should do and what we shouldn't be doing. If yours is a criticism, be sure to offer a positive suggestion as to the right solution to the problem. I would prefer ideas in writing in order to bypass my rather poor memory, but a phone call will also be welcome. Unless it is urgent, call my home in the evenings: 461-5200. My office phone is 271-3744. I look forward to the challenge of new situations. With your help the Milwaukee County ARES will meet and surmount these challenges and thereby perform a valuable service to the public. I solicit your support and assistance.

One final note—I am taking applications for the position of Deputy EC. The Deputy EC is the EC's "alter ego". He "learns the ropes" and fills in during the EC's absence. Eventually, he takes over as EC. Qualifications center on competence and ability to leave work when necessary. If you are interested, I will be happy to consider your written application. No form...just tell me what you think I need to know.

John, WB9SMM

WISCONSIN ARES STATE CONFERENCE

Saturday Oct. 15.....9:30 AM to 4:00 PM.....Mead Inn.....Wisconsin Rapids

MAIN TOPIC: new unified State-Wide Emergency Communication Plan and Procedures

APPEARING: state and local officials of: Emergency Government, National Weather Service, Law Enforcement agencies, ARRL/ARES/RACES, Red Cross

REQUESTED TO ATTEND: all EC's, Assistant EC's, ARES members, and any hams (whether ARES members or not) interested in emergency communications

Conference materials and lunch....$5.00 payable at door

RESERVATIONS REQUIRED

Contact Sherm Carr, W9NGT on radio or phone: 673-2630 (Hartford)

6-MIC

SIX METER INTEREST CLUB

6-MIC

The next Six MIC meeting will be Wednesday, October 12, 7:00 P.M. sharp at the Public Library, S. 14th and Forest Home Ave. This will be our permanent site on the second Wednesday each month.

Sporadic E Skip held up very well through mid-August. Stations were worked from coast to coast. The summer perseids meteor shower did produce some scatter contacts but not as much as in years past. Medium power, 100 watts or better, a good antenna and operator perseverance can produce some very interesting results.

The Six MIC picnic was a success in spite of the rain. About 36 brave souls came out. Thanks to Krier Canning Company of Belgium there was plenty of roasted sweet corn and Jolly Good Soda pop. This, teamed up with Marsh, WB9FZU, the world's master corn roaster, made the day. Our August meeting was held at the picnic site under the maples. The members agreed to run another code-theory class...details to be worked out by the training committee. Remember last year's class, under the direction of WB9SJQ, had a 100% track record!

Now that summer is gone, the time has come for all good VHF operators to perform some important tasks. Check and repair all your rigs, feed lines, and antennas as required. Clear the shack of the summer's collection of 807 empties and start dreaming of the bigger and better things you will do next skip season.

WOKY Talkie's Amateur Radio special of several weeks back was a hit. Our hats are off to Lynn, K9KR; Bob, WB9NNJ; and John, WA9GAK. Good job guys! There was mention of Oscar, but beyond that VHF got short-shifted. Ham radio's last frontier is at the VHF/UHF level. WA9DOT has worked Sweden and Australia on two-meter moon bounce and W.A.S. on six meters. WB9JIA has worked several hundred meters with .015 watts at 10 GHz! K2UYH has W.A.C. on 432 MHz. DXing and ragchewing are the hams bread and butter. VHF and UHF are scaling Mount Everest.

Six MIC extends hearty congrats to HAMATEURS' Editor and staff. Number three nationally overnight. Number 1 here we come!

73 Bob, WB9OPD

146-25 IN MILWAUKEE COUNTY REPEATER SOCIETY 146-85 OUT

OCTOBER MEETING AT IBM The next meeting of WR9ABS will be held at the IBM Building, 611 E. Wisconsin Ave., at 8:00 P.M. The date is Tuesday, October 18, 1977. All interested Hams whether members or not are invited to attend.

NEW HANDBOOK NOW OUT The new revised WR9ABS members handbook and membership list should now be in the hands of all current paid-up members. These books were mailed out to each member with a notice of the September meeting held at Nino's, 3400 S. 108th Street (next to Doucas Oldsmobile). Our thanks to Bob Miller, WB9TFE, for his many hours of work on the handbook and for arranging the IBM meeting place. Any member who did not receive a handbook can contact any club officer to arrange for a copy.

VIEWS FROM THE CLUB PRESIDENT The following are some comments and views from our club President, Paul Leising, WB9KYR:

I have always considered being an Amateur Radio Operator a privilege, something that one should not take for granted, as this privilege can be taken away if violated enough. Why one would violate the rules of Ham Radio are beyond me...but many do.

I have noticed in the past months, mainly on this repeater, some who have violated the privilege of the Auto-patch. The person, or persons, will dial up the access and then dump it, all with no call letters. I have heard the access dialed up and left on the air till the busy signal comes on, and they still don't try to dump it. I really don't know why these people do this, but I do hope in the future they will either refrain from this practice or use it in the way the club has instructed. For the people who don't enjoy hearing certain Auto-patch calls, there is always the On and Off switches on their radio.

During the summer months I have heard many out-of-town hams come on the system looking for some kind of information in the Milwaukee area. On at least three occasions I have heard these stations call two or three times and get no answer. I'm sure there must be at least ten local people listening at the time, but no one comes back to the caller. To me, there is nothing worse than being in a strange city and not knowing where you are going. It would be nice to at least let the party know he or she is getting out—even if you can't answer their question. I've found out in the past if one answers, more will join in. So let's try and help our visiting ham friends in the Milwaukee area and make them all welcome on this system as well as all the other fine repeaters in our area. Last, but not least, every licensed ham operator has the right and privilege to use this repeater. You may not like everyone you hear on this repeater., but they do have the right to use it. So please, let them use it with no interference. We pride ourselves with having a well-operated and well-controlled system. You have had your chance to operate, so let your fellow ham have the same opportunity...in peace. Paul, WB9KYR

The above comments should be something that ALL members of ALL repeaters should take into consideration. It would make 2-meter activity in our area a lot nicer.

NEW MEMBERS WISHING TO PRO-RATE THEIR MEMBERSHIP A note from our club's Treasurer, Paul, W9KHO...those new members wishing to join the repeater are advised that the fiscal year for the club ends on January 31 and not December 31. More information will be given next month, but to summarize, new members (hams not being a member of WR9ABS prior to this) may join the club on a pro-rated basis for $1.00 a month, $12.00 for the year.

73's Bill, WB9EFP

THE WISCONSIN CHAPTER
QUARTER CENTURY WIRELESS ASSOCIATION, INC.

SILENT KEYS: We were all saddened to learn of the passing of Harry V. Frederick, W8QGQ, late in July. Harry and Wara never missed any of the QCWA functions or other ham get-togethers such as Yellow Thunder, etc. His smiling face and hearty hello will be missed. Harry also belonged to the Suncoast Chapter of QCWA in Florida.

On Sunday morning, August 28, as our QCWA net was closing, Lloyd Lewis, W9FMI, also passed to his reward. I first knew Lloyd when he worked in Milwaukee in the early thirties. Later he worked in Madison for Ray-O-Vac. He retired to his country home outside Baraboo where he lived with his daughter and her family. Lloyd enjoyed his ham friends greatly.

A memorial contribution in the name of each has been sent to the ARRL Foundation. This is the final call for our fall luncheon meeting on October 1 at the Woodland Restaurant in Gresham, Wis. The attitude adjustment period will be 11:00 A.M. to 12:30 P.M. Beer and soft drinks will be on tap. Harder drinks are C.O.B. (cash on bar). Menu: Roast beef and/or chicken, large salad bar, lemon meringue pie for dessert. Cost: $5.00 per person. How to get there: Gresham is about 12 miles northwest of Shawano. Take highway 29 west to county trunk U (about 8.3 miles) north on U about 3.5 miles. The Woodland is on the east side of the road. From Wausau it is 36 miles east to C.T.U. A list of motels is being sent under separate cover. Reservations for luncheon should be sent to: Gordon Fedder, W9YFW, 1103 Riverside Drive, Shawano, Wis. 54166. 73 Travis, W9VQD

146-22 IN SOUTH EASTERN WISCONSIN FM AMATEUR REPEATER SOCIETY 146-82 OUT

MEETING: Thursday, October 27, 1977, 7:30 P.M. at WTMJ-TV Studios on Capitol Drive

I'm the new secretary of the 22/82 group, and I'm helping WB9PKY out during his move, etc. I have not too much to report from the August meeting. It was the usual summer meeting with not too many people in attendance. I was late myself—I got lost in the maze of hallways and doors at WTMJ. We were even supposed to get our agenda for the October meeting in this month's Hamateur, but I received no definite info on said item.

Our biggest news item from the last meeting was the acquisition of a new Phelps Dodge antenna for receive and it will be up shortly. We also have some more improvements on our autopatch protection. A "1" or a "0" as first digit dumps the system as well as any combination of digits in excess of eight.

Finally, we have two new members, W9BQI, Lowell Franke, and WB9EZY, Tom Vogt. Welcome to the new members. Sorry about the disaster, but I had 18 hour notice until deadline. 73's, Lee, WA9AOE

RACINE MEGACYCLE CLUB

The next meeting of the club will be October 10 at the American Red Cross building...club dues only $3.00.
Our club furnished communications for the St. Marys Hospital move. It went off like clockwork, and we received some nice letters of thanks. The Lakeshore Repeater was used and the Red Cross frequency was used for back up.
The club is looking for a good P/R man. Any volunteers?
The movie *Jet Roar* will be shown at the next meeting.
Congrats to Dennis, WB9SVM, on upgrading to General Class. WD9DTJ and WD9ZGU are sporting new keyers. WB9UUD can play MARY HAD A LITTLE LAMB on his new touch tone pad. WA9TPQ is looking for hams to join in on a transmitter hunt on two meters. W9PTN has a programmable scanner for VHF and he said he will try and make the next club meeting. Help is needed to change the Red Cross's two way radios to the new cars. Want a ham ticket or upgrade?
The following classes are just starting:
GATEWAY, RACINE, NOVICE GROUP, MONDAY 6:30 to 9:30 P.M. starts September 19
GATEWAY, RACINE, GENERAL AND TECH, WEDNESDAY 6:30 to 9:30 P.M. starts September 21
KENOSHA, 3520 30th AVE. NOVICE GROUP, THURSDAY 6:30 to 9:30 P.M. starts September 22
KENOSHA, 3520 30th AVE. GENERAL AND TECH, MONDAY 6:30 to 9:30 P.M. starts September 19

73 Stu, W9HI

19-79 M Ø S 19-79

With this issue of the Hamateur, we would like to formally introduce ourselves to the Milwaukee area. We are the Milwaukee One nine Seven nine system; hence the name "The MØS System". Our group is an offshoot of the Milwaukee School of Engineering ARC W9HHX, and the repeater is the brainchild of WB9BPS, WB9FPZ, WB9FTB and WB9WFA.
The system is currently 4/5ths completed and almost ready for full time operation...lest Murphy stops in...again.
The site is located at 1025 N. Milwaukee Street on the 13th floor of the Loocke Residence Hall.
The basic equipment consists of the Motorola Sensicon D receiver, Motorola 25 watt transmitter, 4 bay D-pole receive antenna, Ringo Ranger transmit antenna, and NO duplexer. Interestingly enough, the 4 bay D-pole was purchased from a scrap dealer for $25.00 and it works like a champ. The repeater control is totally homebrew using SSI CMOS technology. Due to the lack of a duplexer, we are running into some minor desense problems which mainly affect our distance mobile communications.
The personnel report of the group is rather brief. WB9BPS is still in Alaska with GE, WB9FTB leaves today for Motorola in Illinois, WB9FPZ is with Johnson Controls, and WB9WFA is a Senior in Electrical Engineering Technology at MSOE. All are alumni of MSOE and members of W9HHX.
At this time, I would like to thank our good friends of the Hamateur for accepting us into this fine group. I have done quite a bit of traveling while in the Navy and have never seen anything like this. In fact, I've never seen such good cooperation and helpfulness between repeater groups as now exists in Milwaukee. The MØS System is proud to become a member of this group and continue in this true spirit of Amateur Radio.

73 Scott M. Freeberg, WB9WFA

M·R·A·C MILWAUKEE RADIO AMATEURS' CLUB M·R·A·C

The next regular meeting of the Milwaukee Radio Amateurs' Club will be Thursday, October 27, 1977, 7:30 P.M. at the Wauwatosa Savings and Loan Building, 7500 W. State St. Use the State Street entrance.
Have you taken care of your dues and/or donations?
Looking ahead....Old Timers Nite (free) will be December 14, 7:30 P.M. to 10:45 P.M. at the Pabst Blue Ribbon Hall, N. 9th and W. Juneau. C U there.
As part of the continuing education program for amateurs and future amateurs, bring your questions and/or problems to the pre-meeting 7-7:30 P.M.
Do you have a favorite topic? See W9ZQK or W9MDG. No speaking experience necessary.
There is still time to register for the free fall code and theory class for Novice and higher. Classes run from 7:30 to 9:30 P.M. at the Wauwatosa East High School, 76th and Milwaukee Ave. (Vliet). Enter the building from the 74th Street parking for Room 254. Classes are each Wednesday starting September 21 and run for 12 weeks thru December 7. Class instructors are W9ZPV and W9YYW for Novice and W9MDG for Technician and General.
For registration call W9MDG at 461-8272. 73's Al, W9MDG

WANT A HAM LICENSE?

MILWAUKEE RADIO AMATEURS' CLUB will help you learn the code, theory and rules and regulations to enable you to pass the FCC examinations.
Our new classes will be held every Wednesday evening from 7:30 to 9:30 P.M. starting September 21 and running 12 weeks. Classes are held in rooms 253 and 254 at Wauwatosa East High School, 7600 Milwaukee Avenue. Use the 74th Street entrance and the parking lots on the east side of the building.
There will be two classes...one for those seeking Novice Licenses...another for novices seeking upgrading to General or Technician Licenses.
There is no charge. The classes are FREE! All you supply is pencil and paper.
Classes are limited to number of students that can be handled well, so advance registration is desirable. Registration blanks can be had by calling Mr. E. J. Belanger, W9MDG, at 461-8272. Prompt return is advised as classes are formed on a first come, first serve basis.
Milwaukee Radio Amateurs' Club meetings begin at 7:30 P.M. In the half-hour from 7 to 7:30 before each meeting, our instructors from our license classes will be available to confer, aid and generally answer questions for ANYONE who is working for his Novice, General or Technician ticket. Just arrive early!

H. Charles Kaetel, W9SNK

147.93 IN SOUTH EASTERN WISCONSIN AMATEUR RADIO SOCIETY 147.33 OUT

On October 5, 1977, at 7:30 P.M. the Southeastern Wisconsin Amateur Radio Society will present a program on OSCAR. The program will consist of the videotape *Oscar and the Ham*. There will also be various handouts available to assist anyone interested in pursuing space communications. The meeting will be held in the lower level of the Waukesha City Hall.
The picnic which was held on August 21 at Horeb Park had a good turnout despite the rainy weather. Lee, WB9TPD, claims he saw 75 people there, but many had left by the time I arrived. A good time was had by all those who braved the weather, and there was no problem drinking the free beer that was available.
There has been a lot of talk that the 93/33 machine has caused the 10/70 repeater to be turned off because of interference to the Waukesha Sheriff's frequency. Tests were made on August 29. By changing transmitters and using a mobile transmitter on 33 direct, any problem with the 93/33 machine was ruled out. The trouble is at the 10/70 repeater. This should clear the air of anyone blaming the 33 machine for causing the 10/70 machine to be shut down. All groups involved agree with the results of the tests made. Brian, WB9RZL

OSCAR AND THE HAM

On October 5, 1977, at 7:30 P.M. the Southeastern Wisconsin Amateur Radio Society will present a program dealing with Orbiting Satellites Carrying Amateur Radio. The program will consist of the videotape *Oscar and the Ham*. There will also be various handouts available to assist anyone who is interested in pursuing space communications. The meeting will be held in the lower level of the Waukesha City Hall.
Oscar and the Ham is a 29-minute color videotape produced by the American Radio Relay League in conjunction with the Oscar Education Program. The tape portrays a classroom demonstration of the Oscar communications satellite, using actual two-way conversations through the satellite to demonstrate the principles of orbital mechanics, doppler shift, telemetry and faraday rotation.
The tape is narrated by noted entertainer Jean Shepherd, and is highlighted by an introduction by Owen Garriott, a NASA astronaut who spent two months in space aboard Skylab. Both Shepherd and Garriott are licensed radio amateurs, holding the callsigns K2ORS and W5LFL respectively.
The bulk of the film is a classroom sequence, conducted by Donna Machowski. Using a globe, the teacher introduces the satellite by discussing its range of communications, which is based on the satellite's altitude. The relationship between gravity, inertia and the satellite's orbit is considered, as is the various types of possible orbits, such as synchronus and polar orbits.
Then using the satellite to receive and retransmit amateur signals, the teacher talks to other amateur stations in Quebec and North Carolina. The first contact with VE2BYG in Canada is used to demonstrate the change in frequency due to Doppler shift, and the second contact with K4TI illustrates the change in signal strength of the received signal due to the tumbling of the satellite and Faraday rotation.

Brian, WB9RZL

TRI-COUNTY AMATEUR RADIO CLUB

September is "back to school month" for some of the members of the Tri-ARC Club as well. There are some who are well on their way toward a Ham ticket, while some new members will be just getting their feet wet in their desired class of license. WA9SAB and myself will again be the instructors. Our club is gaining new members, and it is our belief that part of the reason might be our having instructions available for prospective Hams. WB9EMR suggests that we have movies or a guest speaker available for each monthly meeting pertaining to Ham radio or electronics. 73's K9LJM

146.31 IN MILWAUKEE REPEATER CLUB 146.91 OUT

MUSCULAR DISTROPHY TELETHON NET A SUCCESS The Labor Day M.D. Telethon Net held at State Fair Park was a huge success! We collected better than $300 from local area 2-meter hams, with a little better than 30 participants. I'd like to personally thank all those who sacrificed their time for those less fortunate with special thanks to Jim Wiskow (WB9PKY) who, as some of you may know, is crippled with Cerebral Palsy and has been blind since birth. His leg braces, weighing 15 lbs apiece, were certainly an added discomfort. God bless you, Jim! We're proud to have people like you!
Next year should be even better, however, as we've learned a lot from our first attempt. Thanks again to all!
OPERATING PRACTICES QUIZ Read the backs of your membership cards and the ARRL Repeater Directory. Test next month. 73's Larry Kaja, WA9RWO

3940 KHz OZAUKEE RADIO CLUB, INC. 146.37/97

NOTHING SUBMITTED FOR THIS MONTH

TWENTY-NINTH ANNUAL GROUND HOG PARTY

The 29th annual ground hog party will be held October 8, 1977, at Moose Home located at the by-pass of highways 16 and 109 in Watertown, Wis. Registration and get together starts at 2:30 P.M., and a family style dinner begins at 6:00 P.M. A $5.50 per plate—swiss steak and chicken—advance registration is a must. Send check to Teen Norbury, W9LUB, Hill Road, Route #1, Watertown, Wis. 53094. (Telephone (414) 261-0637) Deadline is October 3, 1977. Prizes and trophy, the latter to the highest bidder, are but a few of the highlights along with our great MC, back again this year, John La Blonde, W9FZC. 73's Dorothy, K9BBL

Classified Ads

Until further notice, non-commercial ads will be accepted and published FREE for ALL Hamateur readers. Ads will be automatically published for two (2) consecutive issues, unless you request otherwise. If you wish to rerun or cancel an ad, please advise before the closing date of the next issue.

To insure the maximum success of "FOR SALE" ads, all items must include the asking price. Unless otherwise noted, phone listings are local Milwaukee numbers. CLOSING DATE for ads is the 2nd of the publication month. Direct AD COPY to: Don Habeck W9AMM, 5973 Sugarbush Lane, Greendale, WI 53129

FOR SALE: Drake R4C, factory serviced and aligned in Jan. '77; $400 or make offer. K9JF 421-2284

FOR SALE: Hustler Resonators for 20 40, & 75 meters (Models RM-20, RM-40, & RM-75) with fold-over mast for deck or fender mounting; $30. Contact Tom, W9SRA 425-6186

FOR SALE: Scanning recvr, 3 band, 16 channel. Covers 30-54, 144-170, 430-470 mhz bands, already aligned for ham bands, 120 vac or 12 vdc, uses monitor type crystals; $80. Contact Bob, WB9NEA 355-3155

FOR SALE: Speech Processor (see QST 5/77 p. 172); $20. WANTED: 2 meter mobile amplifier, 50 to 70 watts out, 1 watt in. Contact Paul, K9LWT, Racine 554-9170

FOR SALE: Model DS-8 Nitsuko Automatic Dialing Device from the estate of Eugene Wille, W9EKU. This unit allows 28 preselected numbers to be called at the press of a button, and uses a 117 VAC. Asking $35. For further details call WA9JMO, Larry McCalvy 464-7449

FOR SALE: Standard 826 2-mtr xcvr, 12-channel with 7 pairs of xtals, excellent condx; $180. QST-Aug '68 thru April "74; Ham Radio-July '69 thru Oct '75; 73-March '69 thru Aug '72; CQ-Apr '68 thru Dec '75. 25¢ per copy (you pick up or pay shipping). Contact Glenn Eisenbrandt, WA9VYL, 711 East St., Fort Atkinson, WI 53538 563-6502

FOR SALE: 2-ele tri-band Hy Gain beam 10-15-20; $15. Hy Gain 3-ele 10 meter beam; $15. Hy Gain 3-ele 6 meter beam; $8. Cushcraft 7-ele 2-meter beam; $10. Squalo 6-mtr; $3. Whip, 6-mtr; $3. Hy Gain Balun; $5. Roof mount tri-pod; $3. Heath Sixer w/mike; $19. Ameco Converter, 6-mtr w/pwr sply; $20. RME Preselector, 10-80 mtrs; $19. Senco Transistor & Diode checker; $4. Hallicrafter R-48 speaker; $10. Bug key; $10. For collectors: double button mike, mounted in ring; $20. Tubes...852, RK20, 100TH, T55 etc. Books--QST, CQ, etc; 20¢ ea. Contact Ray Ploetz, W9NFK, 14735 Marcella La, Brookfield, WI 53005

WANTED: Tower (50-60 ft) and 3-band beam Contact Dieter, DJ7BU/W9 Wauwatosa 476-2908

FOR SALE: Heath SB-104 w/pwr supply; $600 complete. Millen Transmatch Jr.; $75. Various mikes & accessories; make offer. Call Rod, WB9AZH 544-9647

HELP WANTED: Would like to get in touch with someone who can help put me in touch with a ham in Quillota, Chile, for arranging a sched. Contact Mike Ruzicka, WD9EUN, 16150 Choctan Trail, Brookfield, 53005

FOR SALE: Swan External VFO; $90. Johnson 275 Match Box with SWR/PWR Meter & Coupler; $65. Astatic Microphone 10-D & "G" stand; $20. Contact Bob, WB9FXR 481-1793

FOR SALE: Powerstat variable transformer, input 120 volts; output 0-140 volts, 20 amperes, max kva 2.8 $25. Electrovoice Model 664 dynamic cardioid microphone, hi or lo impedance; $25. Contact Don, W9AMM, 5973 Sugarbush Ln, Greendale WI 53129 421-1245

FOR SALE: Clegg FM-27B xcvr, just checked & aligned at AES; $220. Drake TV-3300LP low pass filter; $20. Hy-Gain 14AVQ 10-15-20 mtr vertical antenna, assembled; $35. Newtronics mobile antennas with mast, 10-80 mtrs; $50. Heathkit SB-200 Linear; $250. Heathkit DX-35 and vfo, as is; $15. Contact Dennis, K9DTK 355-4922

FOR SALE: Regency HR-2MS 2-mtr 15 watt xcvr, scans 8 channels, w/11 xtals including 31/91 & Milw Police, complete w/mike & 12-volt pwr cord, ideal mobile rig; $140. (will deliver to Milw area) Tubes: (1) 4-250A (new) $20. (2) 4-65A (new) $5 ea. (6) 811's; $3 ea. (1) 809; $1. Swan 500 xcvr, 480 watts pep, 80-10 mtrs, excellent working condx w/receiver RIT control, mike & factory manual; $275 firm (will deliver to Milw area). Peterson Radio, 4-channel monitor receiver, 50 mhz & VHF, complete with both cords for either 110 vac or 12 vdc operation; $45. Contact John La Blonde, W9FZC, 404 Berwyn Dr, Madison, WI 53711 (608) 238-6507 weekends

WANTED: VFO for use with Novice transmitter. Call collect 1-633-5496 Racine. Dick McRoberts, WB9ZIP

FOR SALE: From the estate of John Knapp, W9LQR. Micro Match MM-252 SWR Bridge; $10. EV606 Microphone w/stand; $10. ICOM IC3P pwr supply; $39. Paul, WB9KYR, 425-1935

FREE BUMPER STICKERS: "Monitoring Ham Radio, Milwaukee Repeater Club" Available by sending a SASE (business size) to Bob Draeger, WA9KNH N69 W23806 Sari Ct., Susses, WI 53089

WANTED: National SW-3, old radio parts-45's uncased mica's uncased mica's and Coherer, and etc... Contact Scott, WB9WFA, MLH-103, 291-0409

FOR SALE: SX-140 Hallicrafter recvr; $50. S-11 Hallicrafter recvr; $50. Collins 75S3B recvr w/2.1 kc & 500 hz filters; $650. Standard 826 2 mtr xcvr, 12 channel, 8 channels xtal'd; $150. Contact Fred Linn, W9NZF, 2829 N. Shepard, Milwaukee 964-0372

FOR SALE: SX-100, perfect condx; $130. Eico 720cw xmtr, reconditioned; $35. Vibroplex Lightning bug, new: $25. Electric clock 24-hr, new; $6. Hy-Gain 18V vertical antenna; $9. Simpson meter, 2" sq, new, 200ma dc; $12. WANTED: good HW-16, Contact Bud Woida, W9KQB, 521 S. 30th St., Manitowoc, WI 54220 682-1240

FOR SALE: Yaesu 401B with speaker/phone patch, cw filter, Shure 444; $575 (sell complete only). Kenwood TR-2200A w/9 channels xtal'd, whip & rubber ducky, wall charger, external dc cord; $185. Hy Gain 10-80 meter doublet, never used; $50. CES Tone Pad, acoustic/direct Model 200V; $40. Contact Mike Craig, WD9AXL, 6076 Lac La Belle Dr. Oconomowoc, WI 53066 567-0606

FOR SALE: Kilowatt Ham Station, Hallicrafter SX-115 recvr, HT-32A exciter, HT-33B Final and kilowatt Johnson Matchbox. Complete package only; $575. John M. Hopwood, W9KYT, 3419 N. Dousman St. Milw, WI 53212 332-8135

FOR SALE: Hy-Gain Hy-Tower, 18HT; $100. You pick up. Contact Dan, W9ANC, 1013 Gray St., Green Bay, WI 54303 (414) 435-3042

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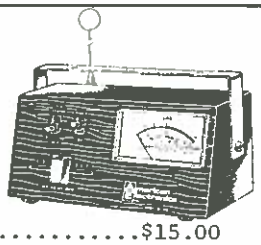

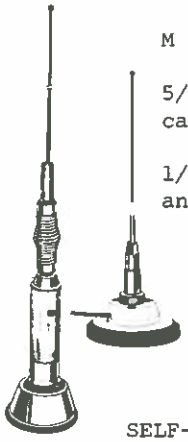

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(Above) Focal point of the Milwaukee Radio Amateurs' emergency network is this International LM-120 with Metro body. The "(h) amateurs" purchased the versatile unit with funds raised in sponsoring an American Radio League convention. Distinctively labeled with the station's call letters, the truck transports its transmitter power unit, a gas-generator, in a trailer.

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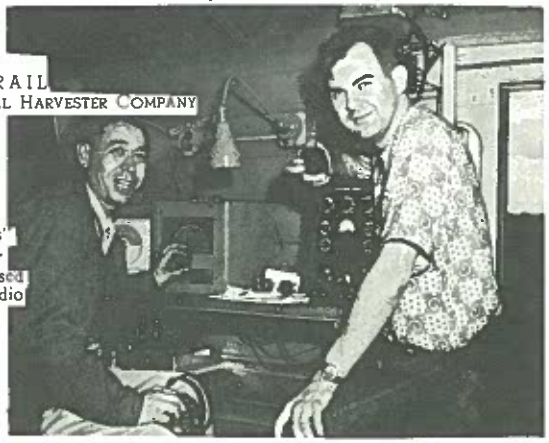

Civil Defenders in action! Two of Milwaukee's "hams" are shown attending communications equipment housed in the rear of the mobile radio control station.

the HAMATEUR
EDITOR: Larry McCalvy WA9JMO
7453 W. Thurston Circle
Milwaukee, Wisconsin 53218

Meeting Notices

QCWA.....Oct 1...Saturday
60/00.....Oct 3...Monday
07/67.....Oct 4...Tuesday
93/33.....Oct 5...Wednesday
Racine.....Oct 10..Monday
Ozaukee....Oct 12..Wednesday
6 MIC.....Oct 12..Wednesday
CQ3TUE.....Oct 18...Tuesday
25/85.....Oct 18...Tuesday
MRAC.....Oct 27...Thursday
22/82.....Oct 27...Thursday
31/91.....November
Tri-County.Unknown

Upcoming Events

Oct 3....MARA Meeting at Nino's
Hwy 100 & Morgan 7:30 PM
Oct 8....Ground Hog party, Moose
Home, Watertown
Oct 18....25/85 meeting at the
IBM Building, Milwaukee

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SEPTEMBER 1977

WISCONSIN REPEATER NEWS

BY JOHN LA BLONDE, W9FZC

Since my last article on Wisconsin Repeater Activity in the July issue of the HAMATEUR, there have been some new developments regarding two-meter repeaters that I would like to pass along to the readers. The Waupaca area is now represented by a machine on 147.93/33 operating on a permanent basis. Presently, the range is about 25 to 30 miles around Waupaca but plans for the immediate future call for an antenna installation on the water tower at the Wisconsin Veterans Home at King, Wisconsin. If you are unfamiliar with King, it is located about two miles southwest of Waupaca and the water tower is 165 feet high. That height should really put the Waupaca repeater up among the best in the state. WB9PTC and WB9PCQ are the driving forces behind this machine.

During the week of August 24, my travels took me through the La Crosse area and north and while tooling through the Sparta area, I talked to Sonny Mitchell, WB9JLY, who informed me that Sparta will have a new repeater on two meters about January of 1978 complete with auto-patch. Frequency is not known at this time, but I will keep you informed.

While driving north from La Crosse, I found the 16/76 and 37/97 machines at La Crosse doing mighty fine. Continuing north from La Crosse, I tried the 04/64 machine at Winona, Minnesota, and ran into a fine bunch of fellows on that repeater. It was still workable to a point about 60 miles north of the city of La Crosse, and they have an auto-patch which they will access for you if someone with a pad is on frequency. Continuing north on the river road, I tried to bring up the Hudson repeater which was rumored to be on 34/94, but found no action. However, when I tried the published frequency of 147.93/33, I got action, so apparently Hudson has abandoned the 34/94 pair.

By the time this article is read in the September issue of the HAMATEUR, the 34/94 machine in Madison should be operating full bore from the top of the Hill Farms State Office Building on Madison's west side. It will be operating under the management of the Central Wisconsin Repeater Association, CWRA, who also operate the Baraboo 28/88 system. The 34/94 machine will give you access to the State of Wisconsin, Division of Emergency Government with the antenna located at the 240 foot level of the State Office Building. The building also houses the Department of Transportation (my big daddy) and also a number of hams. The repeater will give you access to the Badger Emergency Net as well as the Wisconsin RACES system, very capably operated by WB9NYG, Russ Fleming.

As a member of the Milwaukee Repeater Club, I would like to editorialize just a bit before closing this article. The last paragraph in the MRC article for August, whether it be for fun or for serious intent, had no place being in the HAMATEUR. In the trade, that type of stuff is classed as yellow journalism. When we in the CWRA systems have a complaint concerning a certain 'few' operators, we write a letter to them explaining our views. That method gives the offending stations a chance to answer the complaints, but more importantly, it does not downgrade either MRC or the publishers of the HAMATEUR. "Nuff said?!!

73 from John - MRC - CWRA